

# 2002 Advisory Listing

**The 2001 NLFWA database lists 2,800 advisories in 49 states, the District of Columbia, and the US Territory of American Samoa. The number of waterbodies under advisory represents:**

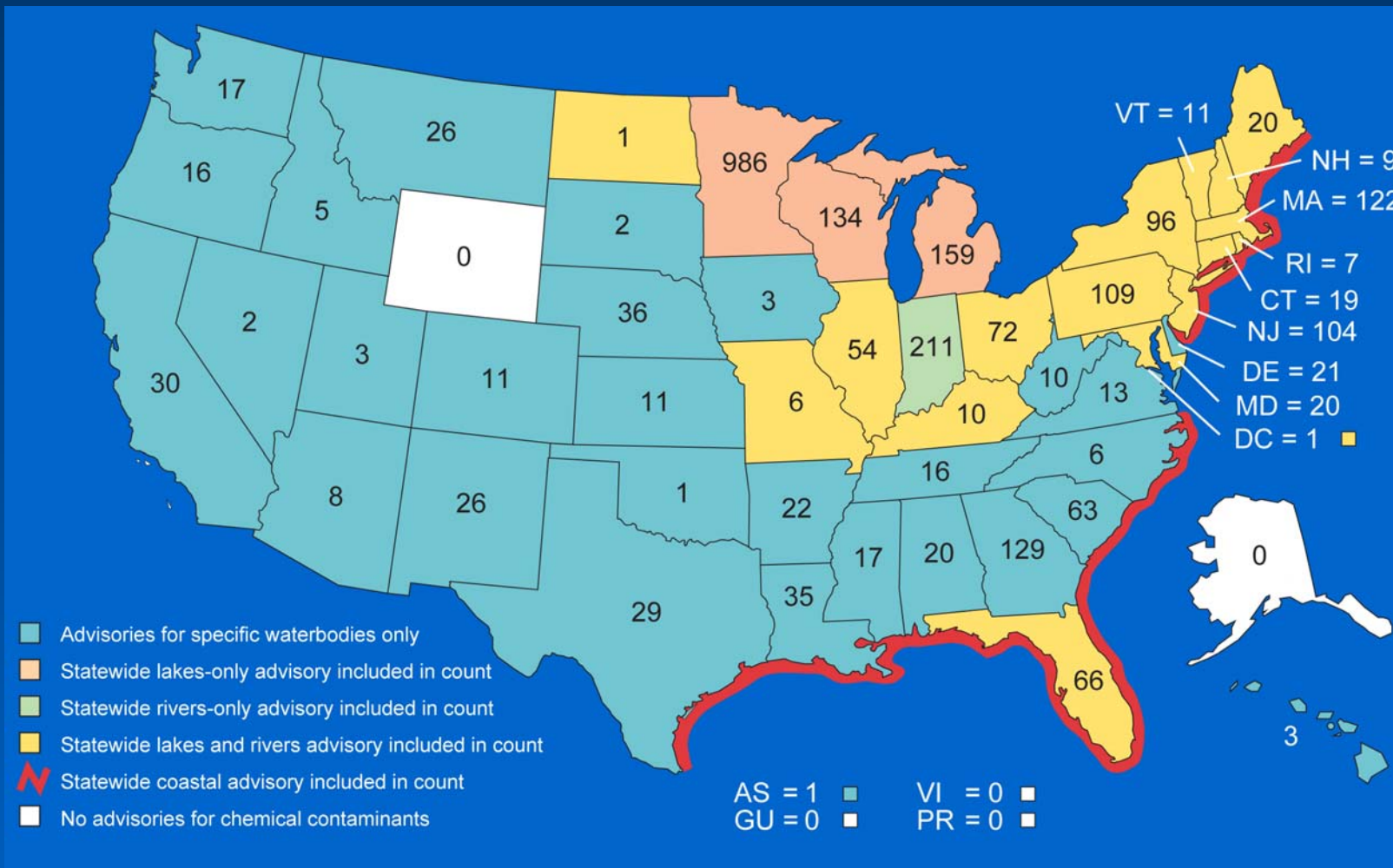
- 33% of the Nation's total lake acres or over 94,715 lakes**
- 15% of the Nation's total river miles or over 544,036 river miles**
- 71% of the Nation's contiguous coastal waters including 92% of the Atlantic coast and 100% of the Gulf coast**
- 100% of the Great Lakes and their connecting waters**

**There were 28 states with statewide advisories in effect in 2002, including new statewide advisories for all rivers and lakes in Florida, Illinois, and Rhode Island.**

# Bioaccumulative Pollutants

- Although current advisories in the United States have been issued for 39 different pollutants, most advisories involve five primary bioaccumulative contaminants:
  - **Mercury** = 2,140 advisories in 45 states active in 2002 (up 11% from 2001, up 138% from 1993).
  - **PCBs** = 813 advisories active in 2002 in 38 states (up 6% from 2001, up 155% from 1993).
  - **Chlordane** = 97 advisories active in 2002 (down from 99 advisories in 2001).
  - **Dioxins** = 74 advisories active in 2002 (down 2 from 2001).
  - **DDT and metabolites** = 48 advisories active in 2002 (up 2 from 2001).
- The increase in advisories issued by the states generally reflects an increase in the number of assessments of contaminants in fish and wildlife tissues.

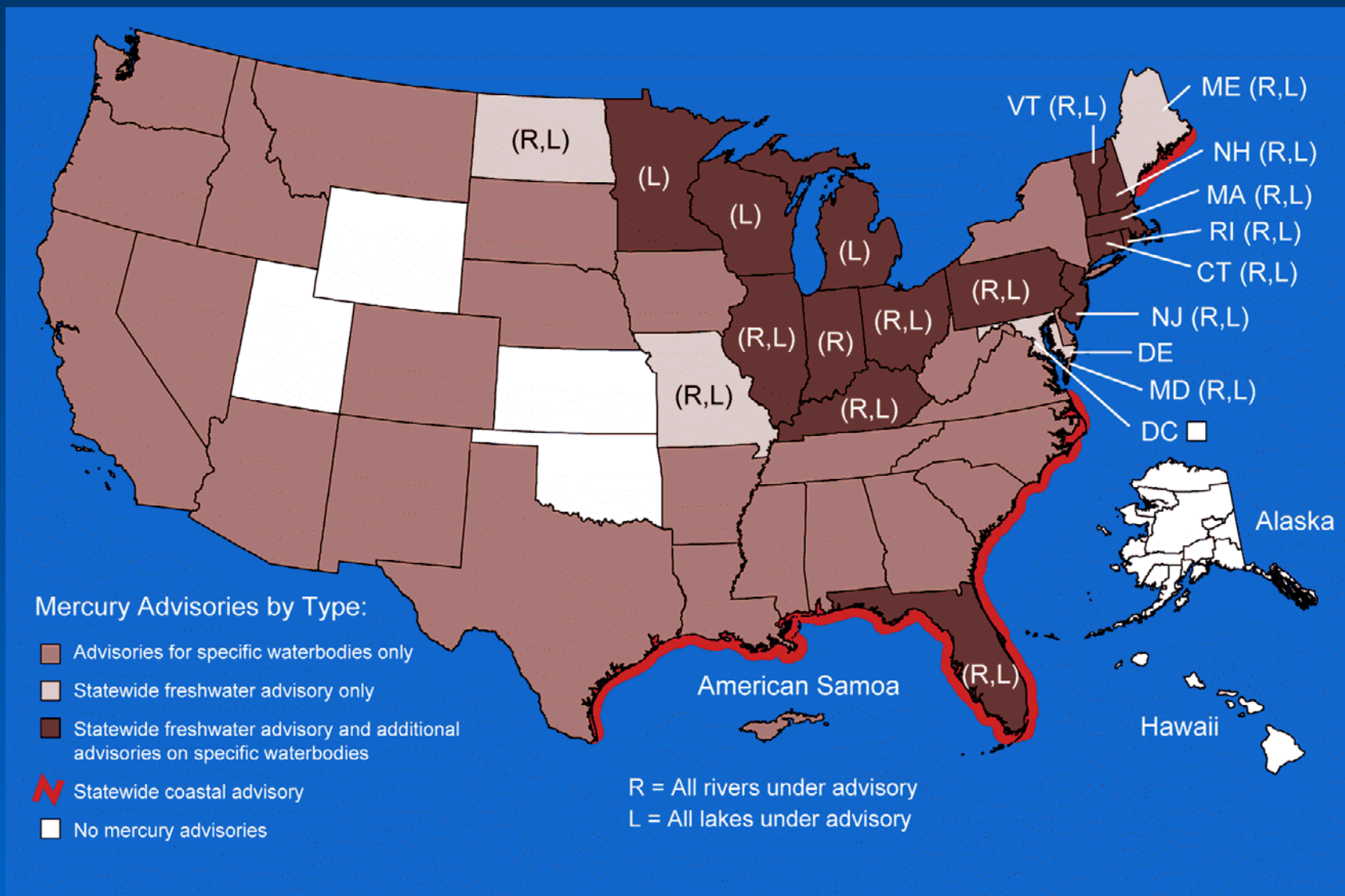
# Total Number of Fish Consumption Advisories — 2002



- Advisories are designed to reduce health risks associated with consumption of chemically contaminated fish and wildlife.
- Most states are developing advisories using a risk-based approach designed for noncommercial harvesting of fish and wildlife; some, however, still use the FDA action level approach designed for commercial fisheries.
- State advisory data should not be used for:
  - Characterizing geographic distribution of chemical contaminants
  - Making interstate or international comparisons.
- Advisory database is updated as new information is provided to USEPA's National Fish Contamination Program.

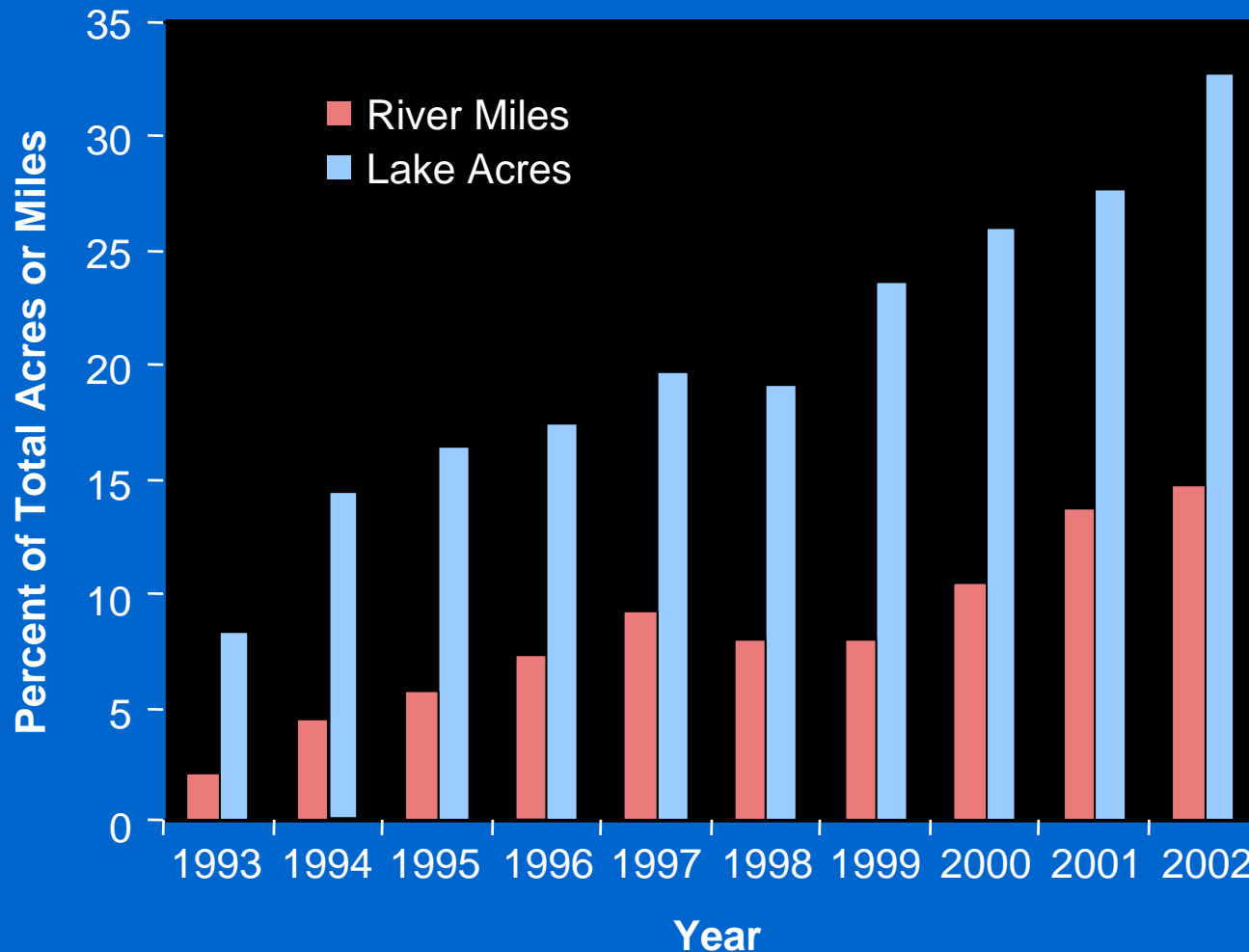
**NOTE:** This map depicts the number, by state, of waterbodies where fish consumption advisories were in effect in 2002 based on information provided to the USEPA by the states in December 2002 and by the Canadian provinces in December 1997. Because only selected waterbodies are monitored, this map does not reflect the full extent of chemical contamination of fish tissues in each state or province.

# Fish Consumption Advisories for Mercury



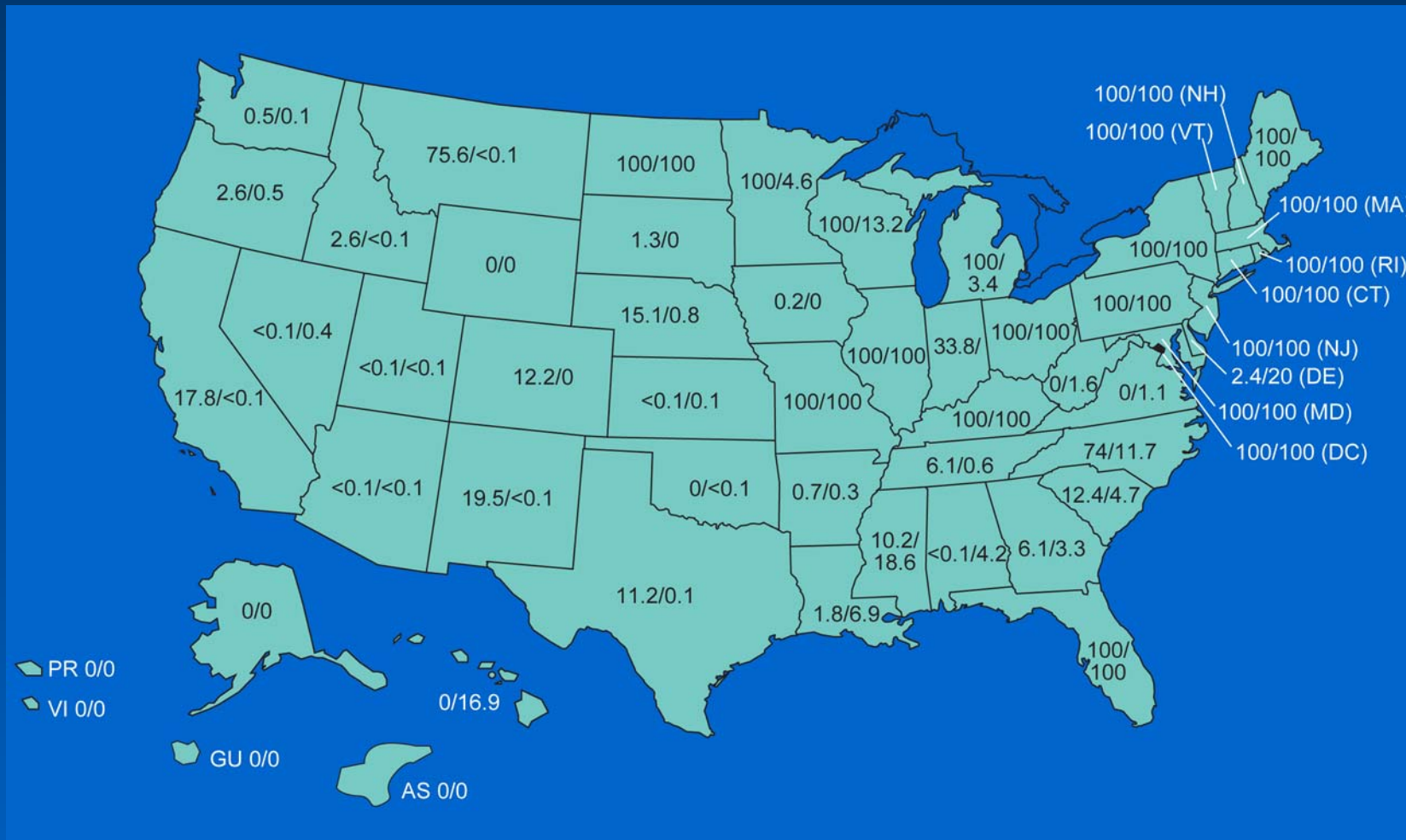
**NOTE:** This map depicts the presence and type of fish advisories issued by the states for mercury as of December 2002. Because only selected waterbodies are monitored, this map does not reflect the full extent of chemical contamination of fish tissues in each state or province.

# Percentage of Lake Acres and River Miles Under Advisory, 1993-2002





# Percentage of Lake Acres/River Miles Currently Under Advisory

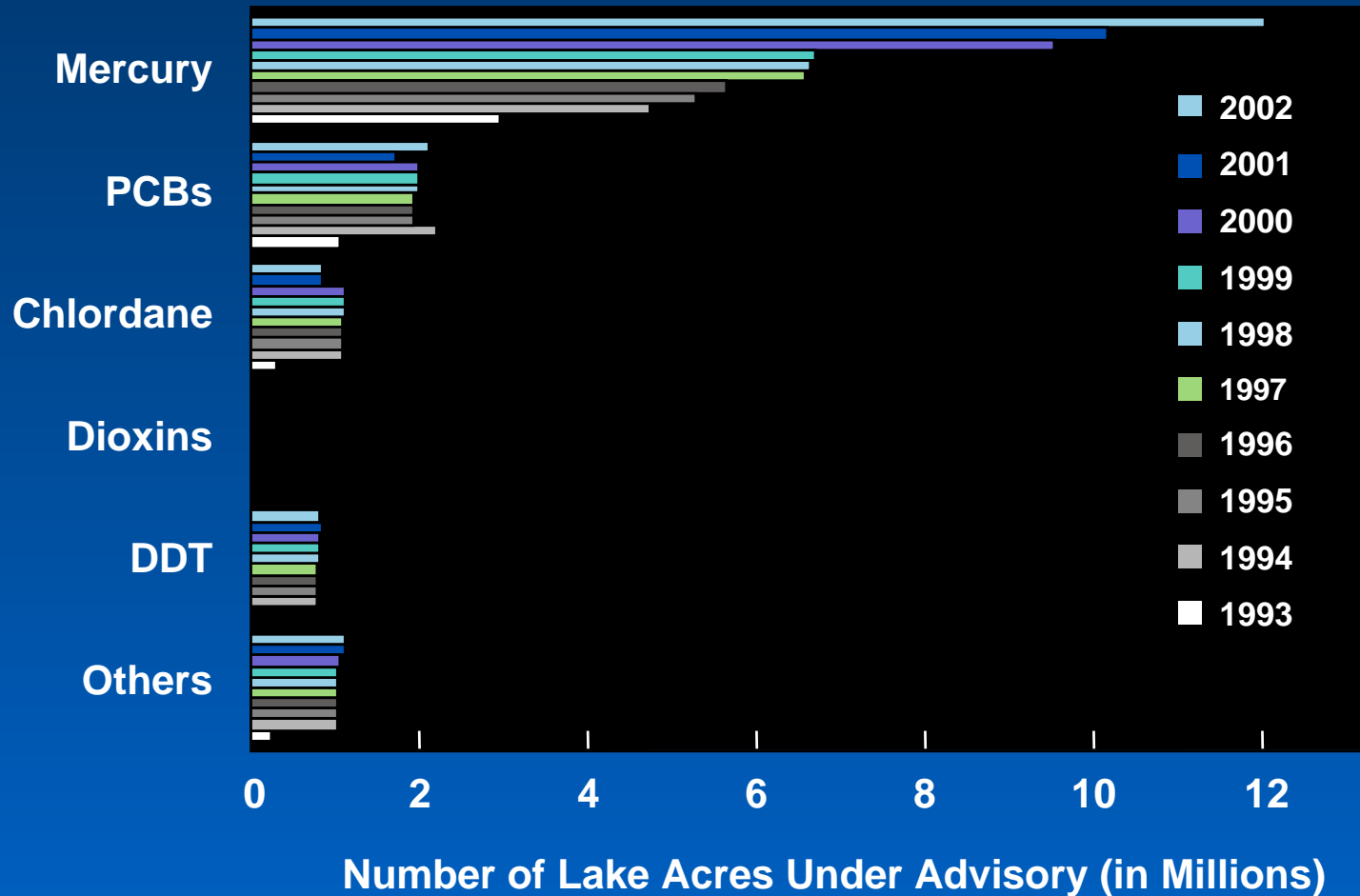


Eighteen states have 100% of their lake acres under fish advisories (including those with statewide advisories), 10% to 50% of lake acres in 8 states are under advisories, 17 states have <10% of their lake acres under advisories, and 12 states have no lake acres under advisories.

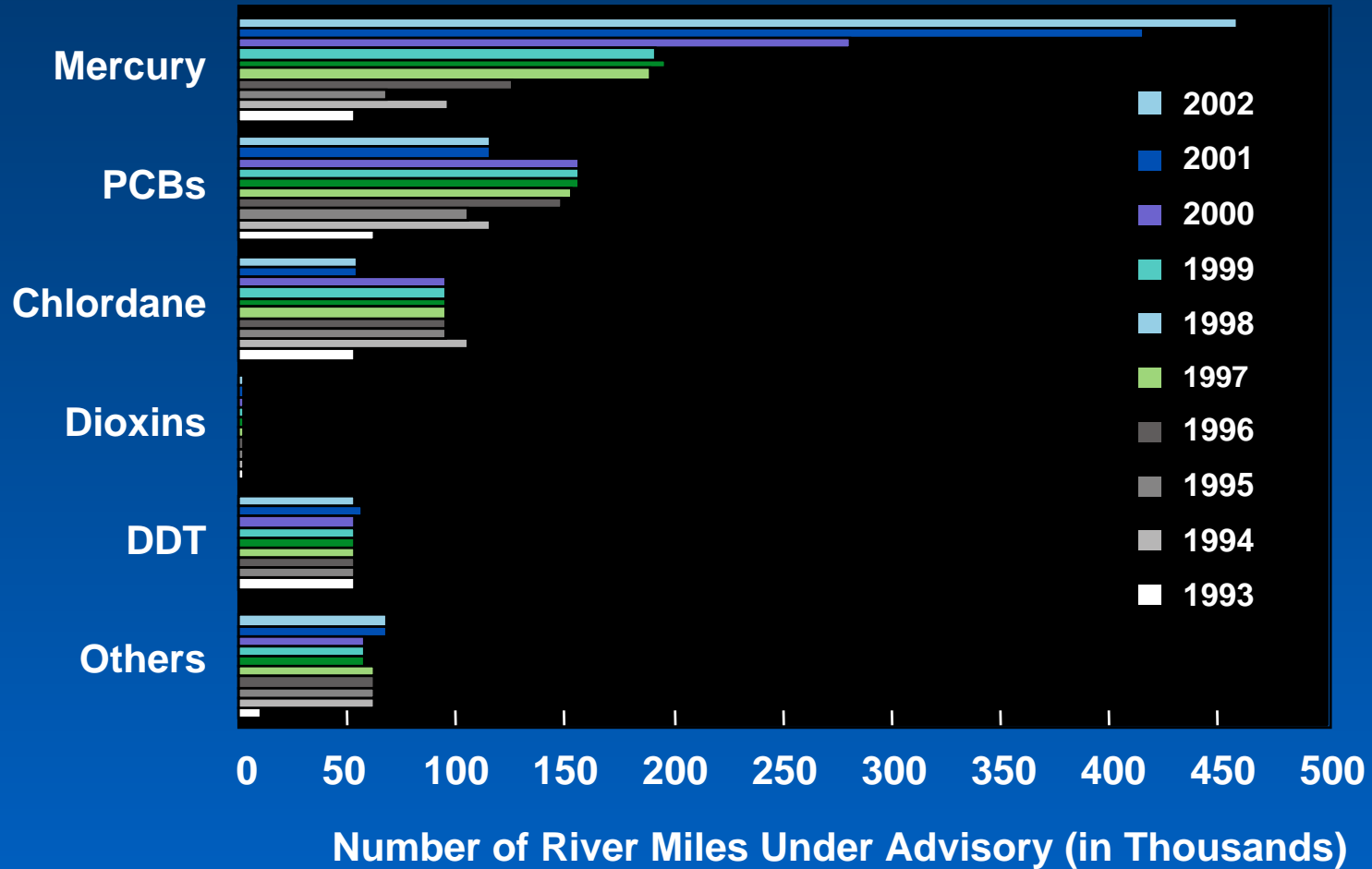
Sixteen states have 100% of their river miles under fish advisories (states with statewide advisories), 4 states have 10% to 50% of their miles under advisories, 24 states have <10% of their river miles under advisories, and 11 states have no river miles under advisories.

**NOTE:** This map depicts the percentage of lake acres/river miles by state where fish consumption advisories were in effect in 2002 based on information provided to the USEPA by the states in December 2002. Because only selected waterbodies are monitored, this map does not reflect the full extent of chemical contamination of fish tissues in each state.

# Trends in Number of Lake Acres Under Advisory for Various Pollutants

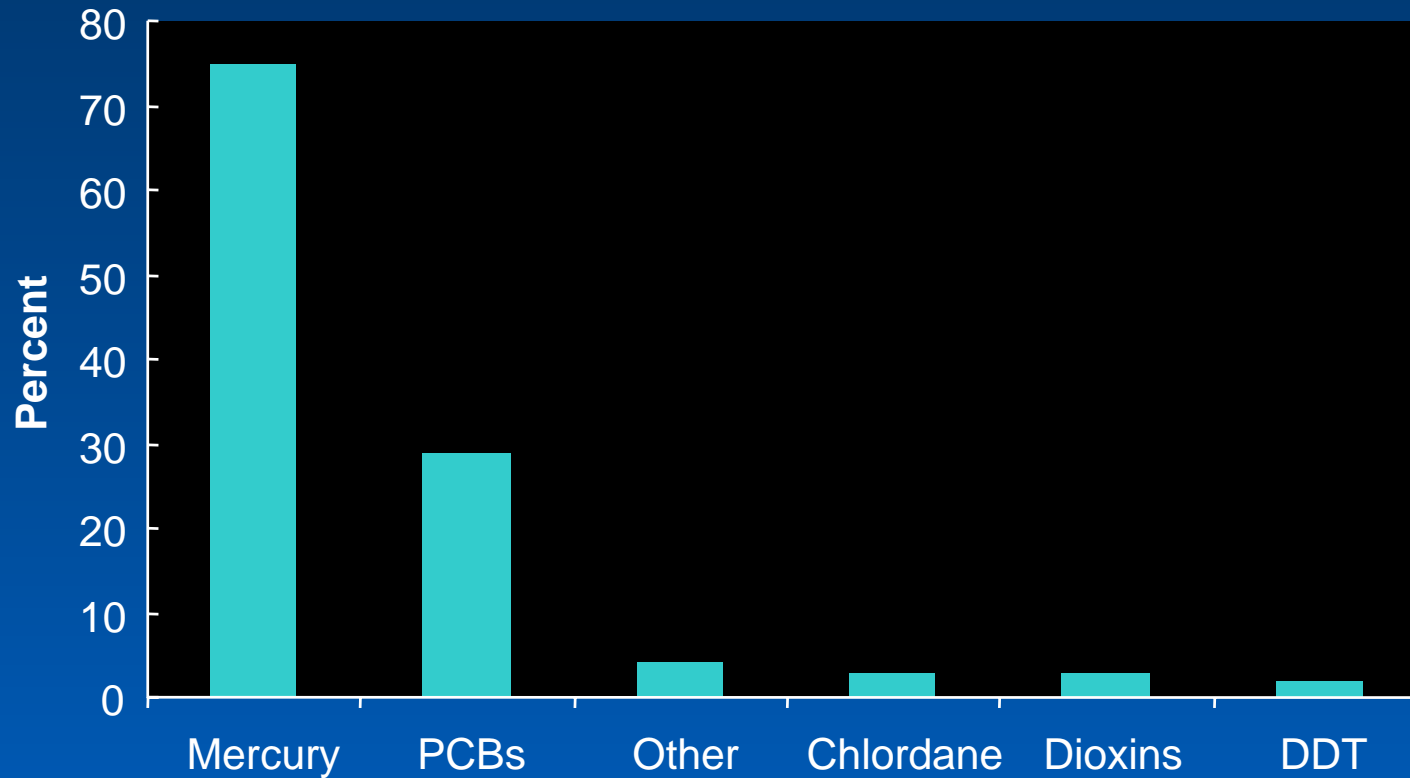


# Trends in Number of River Acres Under Advisory for Various Pollutants



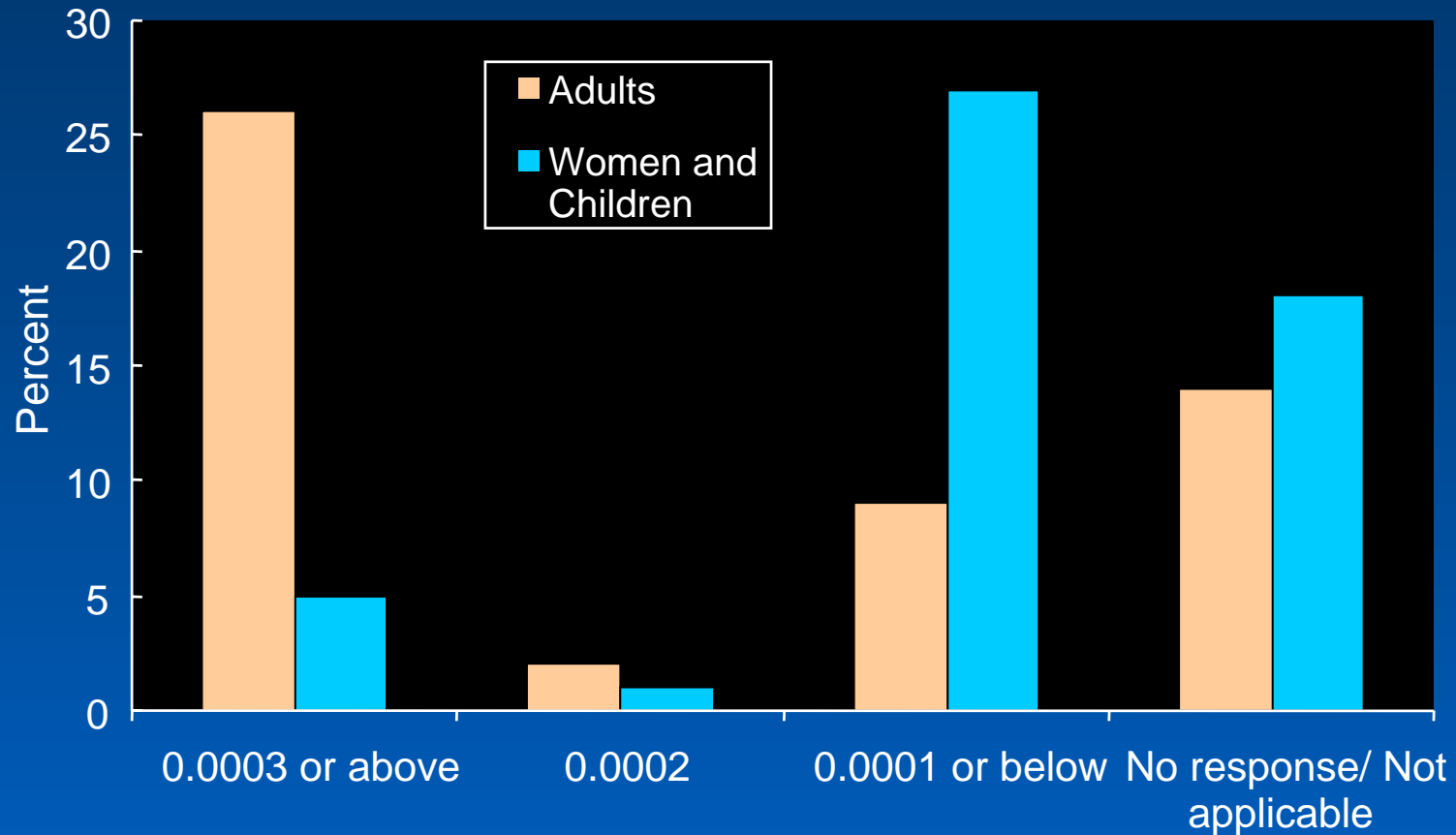


# Percent of Advisories Issued for Major Pollutants



*Note:* Percentages do not add to 100 because one advisory can be issued for numerous pollutants.

# Mercury RfD Values Used by States to Develop Advisories



Based on the 2001 Survey of State Advisory Programs

# Total Number of Safe Eating Guidelines (2002)

